

INDEX.

Académie des Sciences et Lettres, Montpellier, Prize to be given by, 729.

Academy of Natural Sciences, Philadelphia, Letter from, 734.

Africa, East, A Vacation Trip to, 744.

Air, The Damping of the Oscillations of Swinging Bodies by the Resistance of the, 61.

Air, On the Joule-Thomson Effect in, 730.

Alders, Mexican and Central American, Notes on, 609, 734.

Algal Hypothesis of the Origin of Coal, The, 735.

Alkaloids, The Effect of, on the Early Development of *Toxopneustes variegatus*, 131.

Aluminium Anode, The Properties of an, 365, 730.

American Antiquarian Society, Retirement of Librarian, 732.

American Association for the Advancement of Science, Letter from, 727.

American Oriental Society, Officers of, 735.

American Species of *Litsea*, A Synopsis of, 597, 734.

American, Tropical, Phanerogams, Diagnoses and Transfers of, 613, 734.

Anatase, 315, 730.

Androcerae, The Purple-flowered, of Mexico and the Southern United States, 627, 734.

Anode, Aluminium, The Properties of an, 365, 730.

Arsenate, Silver, The Analysis of, 177, 730.

Arsenic, A Revision of the Atomic Weight of, 177, 730.

Artificial Lines for Continuous Currents in the Steady State, 95.

Ascoli, Graziadio, Fund, 731.

Assessment, Annual, Amount of, 741.

Atomic Weight of Arsenic, A Revision of, 177, 730.

Atomic Weight of Chromium, A Revision of the, 399, 419, 732.

Avogadro, Amedeo, Monument to, 735.

Ballistic Galvanometers of Long Period, The Theory of, 281, 729.

Bartlett, H. H., Descriptions of Mexican Phanerogams, 628, 734. Notes on Mexican and Central American Alders, 609, 734. The Purple-flowered Androcerae of Mexico and the Southern United States, 627, 734. A Synopsis of the American Species of *Litsea*, 597, 734.

Barton, E. M., 732.

Baxter, G. P., and Coffin, F. B., A Revision of the Atomic Weight of Arsenic. Preliminary Paper. — The Analysis of Silver Arsenate, 177, 730.

Baxter, G. P., and Jesse, R. H., Jr., A Revision of the Atomic Weight of Chromium. II. — The Analysis of Silver Dichromate, 419, 732.

Baxter, G. P., Mueller, E., and Hines, M. A., A Revision of the Atomic Weight of Chromium. I. — The Analysis of Silver Chromate, 399, 732.

Benedict, F. G., elected Resident Fellow, 743.

Bermuda Biological Station for Research, Contributions from, 131, 653.

Binary Mixtures, A Contribution to Physical Chemistry, 728.

Böcher, Maxime, resigns Fellowship, 733.

Boissier, Gaston, Death of, 729.

Books, Appropriation for binding, 733.

Bosscha, J., 734.

Botanischer Verein der Provinz Brandenburg, Fiftieth anniversary of, 735.

Bowditch, C. P., Report of Treasurer, 735.

Bressa prize, 17th, 732.

Bridgman, P. W., An Experimental Determination of Certain Compressibilities, 253, 730.

The Measurement of High Hydrostatic Pressure. I.—A Simple Primary Gauge, 199, 730. II.—A Secondary Mercury Resistance Gauge, 219, 730.

Brigham, C. S., 732.

British Columbia, Geological Tour in the Mountains of, 730.

Brittle-Star *Ophiocoma pumila*, Regeneration in the, with Reference to the Influence of the Nervous System, 653, 735.

Brookite, 315, 730.

Brooks, W. K., Death of, 731.

Burmese, The, and Cingalese Tradition of Pāli Texts, 744.

Calorifiers, Roman, 733.

Cambridge, University of, Darwin celebration, 727; delegate to, 729.

Cannon, W. B., The Correlation of Gastric and Intestinal Digestive Processes and the Influence of Emotions upon them, 733.

Carborundum, 315, 730.

Castilleja, Synopsis of the Mexican and Central American Species of, 563, 734.

Central American Alders, Notes on, 609, 734.

Central American Species of Castilleja, Synopsis of, 563, 734.

Charges, Residual, in Dielectrics, 465, 729.

Chemical Laboratory of Harvard College, Contributions from, 89, 177, 399, 419.

Chester, Mass., Crystallographic Notes on Minerals from, 639, 734.

Chromate, Silver, The Analysis of, 399, 732.

Chronium, A Revision of the Atomic Weight of, 399, 419, 732.

Church, The Relations of the Norwegian with the English, 1066–1399, and their Importance to Comparative Literature, 529, 734.

Cingalese, The Burmese and, Tradition of Pāli Texts, 744.

Coal, The Algal Hypothesis of the Origin of, 735.

Coffin, F. B. *See* Baxter, G. P., and Coffin, F. B.

Color Photography, The Present Status of, 735.

Comité Technique Contre l'Incendie, Letter from, 727.

Committees, Standing, appointed, 743; List of, 771.

Compressibilities, Certain, An Experimental Determination of, 253, 730.

Coulometer, Silver, Note concerning the, 89.

Council, Report of, 747; Financial Report of, 740.

Cross, C. R., Report of the Rumford Committee, 738.

Crystal Rectifiers for Electric Currents and Electric Oscillations, 315, 730.

Crystallographic Notes on Minerals from Chester, Mass., 639, 734.

Crystallography of Leadhillite, Notes on the, 433, 730.

Currents, Continuous, in the Steady State, Artificial Lines for, 95.

Daly, R. A., elected Resident Fellow, 731; accepts Fellowship, 732.

Damping of the Oscillations of Swinging Bodies by the Resistance of the Air, The, 61.

Darwin celebration by New York Academy of Sciences, 732.

Darwin, Charles, Centenary commemoration, Cambridge University, 727.

Delachaux, E. A. S., Death of, 728.

Delgado, J. F. Nery, Death of, 727.

Derr, Louis, A Photographic Study of Mayer's Floating Magnets, 523, 733; The Present Status of, Color Photography, 735.

Dichromate, Silver, The Analysis of, 419, 732.

Dielectrics, Residual Charges in, 465, 729.

Differential Expressions, Linear, The Invariants of, 1.

Digestive Processes, The Correlation of Gastric and Intestinal, and the Influence of Emotions upon them, 733.

Donner, Anders, Appointment of, 731.

Ears of Fishes in Relation to the Noise of Motor Boats, The, 732.

Eastwood, A., Some Undescribed Species of Mexican Phanerogams, 603, 734; Synopsis of the Mexican and Central American Species of Castilleja, 563, 734.

Edes, H. H., elected Resident Fellow, 731; accepts Fellowship, 732.

Electric Currents, Crystal Rectifiers for, 315, 730.

Electric Oscillations, Crystal Rectifiers for, 315, 730.

Elephantine, The Jewish Colony at, Recently discovered Papyri, 729.

Emotions, The Correlation of Gastric and Intestinal Digestive Processes and the Influence of, upon them, 733.

English Church, The Relations of, with the Norwegian, 1066-1399, and their Importance to Comparative Literature, 529, 734.

Evans, Sir John, Death of, 728.

Ewell, A. W., elected Resident Fellow, 743.

Fay, Henry, elected Resident Fellow, 731; accepts Fellowship, 732.

Fellows, Associate, deceased, — W. K. Brooks, 731.

Wolcott Gibbs, 731.

D. C. Gilman, 735.

J. D. Hague, 728.

Fellows, Associate, elected, — V. M. Slipher, 743.

Fellows, Associate, List of, 779.

Fellows, Resident, deceased, — F. I. Knight, 733.

C. E. Norton, 728.

J. H. Wright, 729.

Fellows, Resident, elected, — F. G. Benedict, 743.

R. A. Daly, 731.

H. H. Edes, 731.

A. W. Ewell, 743.

Henry Fay, 731.

W. W. Fenn, 743.

G. M. Lane, 743.

G. H. Lewis, 733.

H. W. Rand, 733.

J. H. Ropes, 743.

W. M. Wheeler, 733.

H. H. Wilder, 731.

Fellows, Resident, List of, 773.

Fenn, W. W., elected Resident Fellow, 743.

Fischer, Emil, accepts Membership, 727.

Fishes, The Ears of, in Relation to the Noise of Motor Boats, 732.

Floating Magnets, Mayer's, A Photographic Study of, 523, 733.

Folsom, C. H., Biographical Notice of, 729, 749.

Foreign Honorary Members, deceased, — E. de Amicis, 747.

Gaston Boissier, 729.

Sir John Evans, 728.

Henry C. Sorby, 728.

Julius Thomsen, 733.

Foreign Honorary Members, elected, —
 F. J. Furnivall, 744.
 H. G. Jacobi, 744.

Foreign Honorary Members, List of, 782.

Furnivall, F. J., elected Foreign Honorary Member, 744.

Galvanometers, Ballistic, of Long Period, The Theory of, 281, 729.

Gauge, A Secondary Mercury Resistance, 219, 730.

Gauge, A Simple Primary, 199, 730.

General Fund, 735, 741; Appropriations from the Income of, 733, 741.

Geneva, University of, 350th anniversary of, 732; accepted, 732.

Geological Tour in the Mountains of Montana and British Columbia, 729.

Gibbs, Wolcott, Death of, 731.

Gilman, D. C., Death of, 735.

Gioeni, Giuseppe, Monument to, 727.

Goodwin, W. W., Letter from, 727.

Gray Herbarium of Harvard University, Contributions from, 561.

Gross, Charles, resigns Fellowship, 727.

Hague, J. D., Death of, 728.

Harvard College. *See* Harvard University.

Harvard University. *See* Chemical Laboratory, Gray Herbarium, Jefferson Physical Laboratory, Mineralogical Museum, and Zoological Laboratory.

Hay, Gustavus, Biographical Notice of, 747.

Hill, A. R., Inauguration of, 728, 730.

Hines, M. A. *See* Baxter, G. P., Mueller, E., and Hines, M. A.

House Committee, Report of, 740.

House expenses, Appropriations for, 733, 741.

Hydrostatic Pressure, The Measurement of High, 199, 219, 730.

Imperial International Exhibition, 730.

International Congress of Administrative Sciences, 728.

Invariants of Linear Differential Expressions, The, 1.

Iron, Hardened Cast, On the Magnetic Behavior of, at High Excitations, 351, 729.

Iron Rods in Intense Fields, The Use of the Magnetic Yoke in the Measurements of the Permeabilities of, 729.

Irwin, F., The Invariants of Linear Differential Expressions, 1.

Jacobi, H. G., elected Foreign Honorary Member, 744.

Jefferson Physical Laboratory, Contributions from, 61, 199, 219, 253, 281, 315, 351, 365, 465.

Jeffrey, E. C., The Algal Hypothesis of the Origin of Coal, 735.

Jesse, R. H., Jr. *See* Baxter, G. P., and Jesse, R. H., Jr.

Jewish Colony at Elephantine, The, 729.

Johnson, D. W., Some European Sandforms, 734.

Joule-Thomson Effect in Air, 735.

Kennelly, A. E., Artificial Lines for Continuous Currents in the Steady State, 95.

Kinnicutt, L. P., Report of C. M. Warren Committee, 739.

Kiralfy, C. I., Letter from, 730.

Knight, F. I., Death of, 733.

Königlich-böhmische Gesellschaft der Wissenschaften, Letter from, 727.

Kvíčala, Johann, Death of, 727.

La Forge, L. *See* Palache, C., and La Forge, L.

Lane, G. M., elected Resident Fellow, 743.

Lanman, C. R., The Burmese and Cingalese Tradition of Pāli Texts, 744; Pāli Book-Titles and their Brief Designations, 661, 733.

Leach, H. G., The Relations of the Norwegian with the English Church, 1066-1399, and their Importance to Comparative Literature, 529, 734.

Leadhillite, 433, 730.

Lewis, G. N., elected Resident Fellow, 733.

Lewis, G. N., and Tolman, R. C., The principles of Relativity and Non-Newtonian Mechanics, 711.

Librarian, Report of, 737.

Library, Appropriations for, 741.

Lindelöf, L. L., Death of, 731.

Linear Differential Expressions, The Invariants of, 1.

Lines, Artificial, for Continuous Currents in the Steady State, 95.

Literature, Comparative, The Relations of the Norwegian with the English Church, 1066-1399, and their Importance to, 529, 734.

Litsea, A Synopsis of the American Species of, 597, 734.

Lotsy, J. P., 734.

Lowell, Percival, Location of a Supposed Planet beyond Neptune, 732; Recent Discovery made through Photographs of the Watery Vapor surrounding Mars, 730.

Lyman, Theodore, A Vacation Trip to East Africa, 744.

Magnetic Behavior of Hardened Cast Iron, and of Certain Tool Steels at High Excitations, On the, 351, 729.

Magnetic Yoke, The Use of the, in Measurements of the Permeabilities of Iron and Steel Rods in Intense Fields, 729.

Magnets, Mayer's Floating, A Photographic Study of, 523, 733.

Manès, Julien, Death of, 735.

Mark, E. L., Report of the Publication Committee, 739. *See* Zoölogical Laboratory of the Museum of Comparative Zoölogy at Harvard College, Contributions from.

Mars, Recent Discovery made through Photographs of the Watery Vapor surrounding, 730.

Massachusetts Institute of Technology. *See* Research Laboratory of Physical Chemistry, Rogers Laboratory of Physics.

Mathematical Puzzles, 728.

Mayer's Floating Magnets, A Photographic Study of, 523, 733.

Mechanics, Non-Newtonian, The Principle of Relativity and, 711.

Mexican Alders, Notes on, 609, 734.

Mexican Phanerogams, Descriptions of, 630, 734.

Mexican Phanerogams, Some Undescribed Species of, 603, 734.

Mexican Species of Castilleja, Synopsis of, 563, 734.

Mexico, The Purple-flowered Androcereae of, 627, 734.

Mineralogical Museum, Contributions from, 433, 639.

Minerals from Chester, Mass., Crystallographic Notes on, 639, 734.

Missouri, University of, Letter from, 728.

Molybdenite, 315, 730.

Montana, Geological Tour in the Mountains of, 730.

Moore, G. F., The Jewish Colony at Elephantine: Recently discovered Papyri, 729.

Morgan, M. H., The Preface of Vitruvius, 147, 729; Roman Calorifiers, 733.

Morgulis, S., The Effect of Alkaloids on the Early Development of *Toxopneustes variegatus*, 131.

Morgulis, S., Regeneration in the Brittle-Star *Ophiocoma pumila*, with Reference to the Influence of the Nervous System, 653, 735.

Morize, H., appointed director of Rio de Janeiro Observatory, 727.

Morse, H. W., and Shuddemagen, C. L. B., The Properties of an Aluminium Anode, 365, 730.

Mueller, E. *See* Baxter, G. P., Mueller, E., and Hines, M. A.

Museo de la Plata, Letter from, 728.

Museo National, Mexico, Letter from, 730.

Museum of Comparative Zoölogy at Harvard College. *See* Zoölogical Laboratory.

Neptune, Location of a supposed Planet beyond, 729, 732.

Nervous System, Regeneration in the Brittle-Star *Ophiocoma pumila*, with Reference to the Influence of the, 653, 735.

Nevada, Leadhillite from, 452, 730.

New York Academy of Sciences, Darwin celebration, 732.

Nobel Prize Committee, 727.

Nominating Committee, appointed, 733.

Norton, C. E., Death of, 728.

Norwegian Church, The Relations of, with the English, 1066-1399, and their Importance to Comparative Literature, 529, 734.

Officers, elected, 742; List of, 771.

Ophiocoma pumila, The Brittle-Star, Regeneration in, with Reference to the Influence of the Nervous System, 653, 735.

Oscillations of Swinging Bodies, The Damping of the, by the Resistance of the Air, 61.

Palache, C., and La Forge, L., Notes on the Crystallography of Leadhillite. I. Leadhillite from Utah, II. Leadhillite from Nevada, 433, 730.

Palache, C., and Wood, H. O., Crystallographic Notes on Minerals from Chester, Mass., 639, 734.

Pāli Book-Titles and their Brief Designations, 661, 733.

Pāli Texts, The Burmese and Cingalese Tradition of, 744.

Papyri, Recently discovered, 729.

Parker, G. H., The Ears of Fishes in Relation to the Noise of Motor Boats, etc., 732.

Peirce, B. O., The Damping of the Oscillations of Swinging Bodies by the Resistance of the Air, 61; On the Magnetic Behavior of Hardened Cast Iron and of Certain Tool Steels at High Excitations, 351, 729; The Theory of Ballistic Galvanometers of Long Period, 281, 729; The Use of the Magnetic Yoke in Measurements of the Permeabilities of Iron and Steel Rods in Intense Fields, 729.

Pelz, Karl, Death of, 727.

Phanerogams, Mexican, Descriptions of, 628, 734.

Phanerogams, Mexican, Some Undescribed Species of, 603, 734.

Phanerogams, Tropical American, Diagnoses and Transfers of, 613, 734.

Philological Society of Rome, Letter from, 731.

Physical Chemistry, Binary Mixtures, Contribution to, 728.

Physical Science of To-day, 728.

Physikalisch-medizinische Sozietät, Erlangen, Centennial celebration of, 727.

Pickering, W. H., Location of a Hypothetical Planet beyond Neptune, 729.

Pierce, G. W., Crystal Rectifiers for Electric Currents and Electric Oscillations; II. — Carborundum, Molybdenite, Anatas, Brookite, 315, 730.

Planet, Hypothetical, beyond Neptune, Location of a, 729.

Planet, Location of a Supposed, beyond Neptune, 732.

Porter, W. T., resigns Fellowship, 734.

Publication, Appropriation for, 741.

Publication Committee, 743; Report of, 739.

Publication Fund, 737; Appropriation from, 741.

Rand, H. W., elected Resident Fellow, 733; accepts Fellowship, 734.

Reale Università di Catania, Letter from, 727.

Records of Meetings, 727.

Rectifiers, Crystal, for Electric Currents and Electric Oscillations, 315, 730.

Relativity, The Principle of, and Non-Newtonian Mechanics, 711.

Research Laboratory of Physical Chemistry, Contribution from, 711.

Residual Charges in Dielectrics, 465, 729.

Richards, T. W., Note concerning the Silver Coulometer, 89.

Rio de Janeiro Observatory, Appointment of director, 727.

Ripley, W. Z., resigns Fellowship, 731.

Robinson, B. L., Diagnoses and Transfers of Tropical American Phanerogams, 613, 734; A Revision of the Genus Rumfordia, 593, 734.

Röner, Fritz, Death of, 734.

Rogers Laboratory of Physics, Contributions from, 523.

Roman Calorifiers, 733.

Ropes, J. H., elected Resident Fellow, 743.

Rotc'l, A. L., Report of Librarian, 737.

Royal Academy of Sciences, Turin, Bressa prize, 732.

Royal Society of Sciences, Göttingen, prize, 732.

Rumford Committee, Report of, 738; Reports of Progress to, 738.

Rumford Fund, 736; Appropriations from the Income of, 741; Papers published by Aid of, 315.

Rumford Premium, 796; Award of, 742.

Rumfordia, A Revision of the Genus, 593, 734.

Service Géologique, Portugal, Death of President of, 727.

Serviss, S. B., On the Joule-Thomson Effect in Air, 730.

Shuddemagen, C. L. B., Residual Charges in Dielectrics, 465, 729.

Shuddemagen, C. L. B. *See* Morse, H. W., and Shuddemagen, C. L. B.

Silver Arsenate, The Analysis of, 177, 730.

Silver Chromate, The Analysis of, 399, 732.

Silver Coulometer, Note concerning the, 89.

Silver Dichromate, The Analysis of, 419, 732.

Slipher, V. M., elected Associate Fellow, 743.

Società Ligure di Storia Patria, Genoa, Fiftieth anniversary of, 735; Medal in honor of, 735.

Société de Géographie Commerciale, Bordeaux, 735.

Société des Sciences de Finlande, Letter from, 730.

Sorby, H. C., Death of, 728.

Standing Committees, appointed, 743; List of, 771.

Standing Vote, adopted, 743.

Standing Votes, 795.

Statutes, 785; Amendment of, 731.

Steel Rods in Intense Fields, The Use of the Magnetic Yoke in the Measurements of the Permeabilities of, 729.

Steels, Certain Tool, On the Magnetic Behavior of, at High Excitations, 351, 729.

Story, W. E., Binary Mixtures, a Contribution to Physical Chemistry, 728; Mathematical Puzzles, 728.

Thomsen, Julius, Death of, 733.

Tolman, R. C. *See* Lewis, G. N., and Tolman, R. C.

Toxopneustes variegatus, The Effect of Alkaloids on the Early Development of, 131.

Toy, C. H., resigns Fellowship, 729, 734.

Treasurer, Report of, 735.

Trelease, William, Letter from, 730.

Trowbridge, John, Physical Science of To-day, 728.

United States, the Southern, The Purple-flowered Androcerae of, 627, 734.

Utah, Leadhillite from, 433, 730.

Vitruvius, The Preface of, 147, 729.

Ware, W. R., Report of House Committee, 740.

Warren, C. H., accepts Fellowship, 727.

Warren (C. M.) Committee, Report of, 739.

Warren (C. M.) Fund, 736; Appropriations from the Income of, 741.

Wheeler, W. M., elected Resident Fellow, 733; accepts Fellowship, 734.

Wilder, H. H., elected Resident Fellow, 731; accepts Fellowship, 732.

Wolff, J. E., A Geological Tour in the Mountains of Montana and British Columbia, 730.

Wood, H. O. *See* Palache, and Wood, H. O.

Wood, Robert W., Rumford Premium awarded to, 742.

Wright, J. H., Death of, 729.

